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ODP 367-77

8 SEP 1977

MEMORANDUM FOR: Director of Communication

FROM   : Clifford D. May, Jr.
                  Director of Data Processing

SUBJECT   : Communications Requirements FY 1979-1983

REFERENCES   : a. Routing and Record Sheet to D/ODP fm
                      EO/DDA (DDA 77-0431), dtd 24 Jan 1977,
                      Same Subject

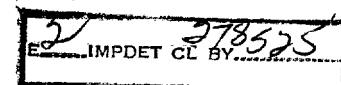   b. Memo to DD/A fm D/OC (OC-M77-053),
                      dtd 24 Jan 1977, Same Subject

                  c. Memo to D/OC fm D/ODP (ODP 1833-76),
                      dtd Sep 1976, Subject: BUS Communications,
                      w/att, Subject: Memorandum of Understanding
                      Concerning BUS Communications Development

    1. In the following paragraphs we have described the
ODP activities during the planning period FY 1979-1983 that will
impact on the Agency's communications program. It is not prac-
tical for the Office of Data Processing to coordinate data
communications requirements with every office that we support.
Hence, it is possible that an ADP user office and ODP may both
make reference to the same requirement. With the forming of the
ODP/OC Planning Group and the assignment of OC professionals to
SAFE, we suggest that detailed planning for the following
activities be a joint venture between OC and ODP.

    2. Project SAFE Communications Requirements FY-79-83

        The SAFE System will require from 1000 to 2000 terminals
to be installed in Headquarters and other CIA buildings, each
operating at 10^4 bits per second for digital data. Also, there
is a requirement for transmitting hardcopy document images to
a subset of the terminals to be installed in Headquarters Building.
The security requirements of SAFE data, as well as the expand-
ability of the present grid system in Headquarters, indicated
that an independent communications system was needed to satisfy
SAFE requirements. As stated in the Memorandum of Understanding
Concerning BUS Communication Development, (Reference C), ODP is
responsible for the development of this system through the initial
operational stage scheduled for FY 1980. The Office of Communica-

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tions will assume responsibility for the operation of the system after this time.

During FY 1980 to 1983 we estimate that 150 to 300 SAFE terminals (15% of the total) will be installed in remote CIA Buildings in the Washington Metropolitan area. The communications support and funding for these circuits should be programmed by OC.

3. COMIREX Automated Management System (CAMS)

The computer system that ODP has developed for COMIREX currently has 42 terminals located in Headquarters, NPIC, NSA, the Pentagon, State Department and ▓▓▓▓▓▓ Ten additional terminals and one Uetra printer have been requested by COMIREX for FY 1977. New circuits will be required in FY-77 to the Defense Mapping Agency and to the Selective Service Building when the COMIREX staff moves there. OC will be asked to order and include these circuits in future programs.

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4. Data Communications for Computer Terminals Connected to ODP Computers

ODP data show over 600 display and typewriter terminals and 26 Remote Job Entry (RJE) devices connected to its computers as of 1 January 1977. 142 additional terminals are projected for FY 1977 and 139 more are projected for FY 1978. With the trend toward more and more on-line computer applications we anticipate increased requirements for terminals connected to ODP computers. These terminals will be located in approximately 25 Agency occupied and Intelligence Community buildings, with terminals located outside of Headquarters accounting for 20 percent of the total. ODP has standardized with a transmission rate of 2400 baud for asynchronous devices and 9600 baud for synchronous devices.

Assuming a constant growth of 140 terminals per year through 1980, the 1980 support requirement would be for over 900 terminals located in Headquarters and over 200 terminals located outside of the Headquarters Building. These figures do not include SAFE terminals.

ODP requires that by FY 1983 all circuits to terminals connected to ODP computers have an independent backup circuit and have end-to-end error rates of less than 1 in 10^{12} after correction. This requirement is to improve the reliability and accuracy of computer input/output service.

In addition, the Headquarters grid system, which is over capacity in several sections of the building, should be expanded or replaced to support the projected number of terminals and RJE stations.

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5. Technical Support to ODP Computer Center

The installation of two new major computer systems in FY 1978-1979 will require continuing support from OC for procurement and installation of patch panels, technical facilities, modems, repeaters, multiplexors, and similar equipment for data transmission between computers and peripheral components.

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Clifford D. May, Jr.

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MEMORANDUM FOR: Deputy Director for Administration

25X1A FROM : ████████████████

Director of Communications

SUBJECT : Communications Requirements for FY-1979-1983

REFERENCE : OC-M-76-077, dtd 4 February 1976

1. The Office of Communications would appreciate receiving up-to-date information from the other Offices in the Directorate of Administration about future planning requirements requiring communications support. The FY-1979 communications requirements and projections for FY-1980/1983 will be incorporated in the OC response to the Program Call. Please include any projected decreases which may be used to offset planned increases.

2. It would be helpful to OC in preparing detailed cost estimates if each Office would provide specific locations and other related information about its requirements. Each Office should include not only record communications requirements, but also its needs for secure voice, data, and facsimile communications. Where precise forecasts are not possible so far in advance, please indicate the number of various types of activities and the general geographic locations.

3. It would be appreciated if the responses from the Directorate of Administration Offices could be forwarded to OC by 18 February 1977.

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cc: O/Comptroller

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CL BY SIGNER

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ROUTING AND RECORD SHEET

CC #164/77

SUBJECT: (Optional)

Communications Requirements for FY 1979-1983

FROM: 25X1A ⬛⬛⬛⬛⬛⬛⬛⬛⬛⬛ Executive Officer, DDA	EXTENSION	NO. DDA 77-0431 (24 Jan 1977)
		DATE

TO: (Officer designation, room number, and building)	DATE RECEIVED	DATE FORWARDED	OFFICER'S INITIALS	COMMENTS (Number each comment to show from whom to whom. Draw a line across column after each comment.)
1. Director of Data Processing				1. The Office of Communications would like to have up-to-date information on future planning requirements which would need Commo support.
2.				
3. A EXO		1/28/77	JR	2. Please send your responses directly to the Director of Communications. Note there is a deadline of 18 February 1977.
4. C/MS - action		1/31/77		
5. Prepare response for D/ODP to D/OC by 18 Feb 1977				25X1A ⬛⬛⬛⬛⬛ EO/DDA
6. C/P+BG (Action)				Attachment
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